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IN THE CLAIMS:

1. (Currently amended) A method, operable in a data processing system having a plurality of processes, for performing [[a]] communication management-connection, comprising the steps of:

 sending a communication management request from a first process within [[the]] said plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes, wherein a private data field contains communication attributes for a plurality of communication connections and unreliable datagram resolutions;

~~retrieving the receiving a rcply to said communication establishment request;~~
 ~~under control of the adapter, via the communication establishment message from the host; and~~

 responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

2. (Currently amended) The method as recited in claim 1, wherein [[the]] said first process within the plurality of processes is an active side of the process.

3. (Currently amended) The method as recited in claim 1, wherein [[the]] said second process within the plurality of processes is a passive side of the process.

4. (Canceled)

5. (Currently amended) The method as recited in claim 4, wherein ~~the first host~~ said channel adapter is a host channel adapter.

6. (Currently amended) The method as recited in claim 4, wherein ~~the second host~~ said channel adapter is a destination host channel adapter.

7. (Canceled)

8. (Currently amended) The method as recited in claim 1, further comprising:
determining [[the]] that said first process within [[the]] said plurality of processes
has received a ~~multiple connections and unreliable datagram resolutions~~ reply message
from [[the]] said second process within a specified period of time;
passing the ~~multiple connections and unreliable datagram resolutions~~ said reply
message to [[the]] said first process ~~within the plurality of processes~~; and
processing the ~~multiple connections and unreliable datagram resolutions~~ said
reply message.

9. (Currently amended) The method as recited in claim 1, further comprising:
determining [[the]] that said first process ~~within the plurality of processes~~ has not
received a ~~multiple connections and unreliable datagram resolutions~~ said reply message
from [[the]] said second process within a specified period of time; and
aborting a multiple connections and unreliable datagram resolutions
communication establishment process.

10. (Currently amended) The method as recited in ~~claim 1, further~~ claim 8, further
comprising:
responsive to a ~~multiple connections and unreliable datagram resolutions~~ said
reply message being received by [[the]] said first process ~~within the plurality of~~
~~processes~~, creating a ~~multiple connections and unreliable datagram resolutions~~
communication management message; and
posting the ~~multiple connections and unreliable datagram resolutions~~ said
communication management message as a work request on a communication
management send queue associated with [[the]] said first process ~~within the plurality of~~
~~processes~~.

11. (Currently amended) The method as recited in claim 10, wherein ~~the multiple connections and unreliable datagram resolutions~~ said communication management ~~message is a multiple connections and unreliable datagram resolutions~~ "ready to use" ~~message is a multiple connections and unreliable datagram resolutions~~ communication management message.

12. (Currently amended) The method as recited in claim 10, further comprising:
 converting, by a channel interface, ~~the multiple connections and unreliable datagram resolutions~~ said work request into a work queue element;
 processing, by a channel adapter, ~~[[the]]~~ said work request; and
 sending ~~the multiple connections and unreliable datagram resolutions~~ said communication management message to ~~[[the]]~~ said second process ~~within the plurality of processes.~~

13. (Currently amended) A method, operable in a data processing system having a plurality of processes, for ~~performing a~~ establishing multiple connections, and unreliable datagram resolutions ~~communication connection, said method~~ comprising the steps of:
~~receiving a communication management~~ sending a connection establishment request from a first process within ~~[[the]]~~ said plurality of processes ~~via a communication establishment request for multiple connections and unreliable datagram resolutions message to an adapter associated with a second process within~~ said plurality of processes, wherein a private data field contains a connection indicator;
~~sending a multiple connections and unreliable datagram resolutions~~ receiving a reply ~~communication establishment message, to said connection establishment request;~~
~~under control of the adapter, to the first process within the plurality of processes; and~~
~~responsive to~~ [[the]] said second process ~~within the plurality of processes~~
~~receiving the multiple connections and unreliable datagram resolutions reply~~ communication establishment message from the first process within the plurality of
~~processes~~ approving said request, establishing multiple communication connections between ~~[[the]]~~ said first process ~~within the plurality of processes and~~ [[the]] said second process ~~within the plurality of processes.~~

14. (Currently amended) The method as recited in claim 13, further comprising:
placing ~~the multiple connections and unreliable datagram resolutions~~ said
communication establishment request message in a receive queue of a communication
manager associated with ~~[[the]]~~ said second process ~~within the plurality of processes; and~~
passing ~~the multiple connections and unreliable datagram resolutions~~ said
communication establishment request message to ~~[[the]]~~ said second process ~~within the~~
~~plurality of processes.~~

15. (Currently amended) The method as recited in claim 13, further comprising:
posting ~~the multiple connections and unreliable datagram resolutions~~ a reply to
said communication establishment message request as a work request on a
communication management send queue associated with ~~[[the]]~~ said second process
~~within the plurality of processes; and~~
converting ~~[[the]]~~ said work request into a work queue element by a channel
interface.

16. (Currently amended) The method of claim 13, wherein ~~[[the]]~~ said multiple
connections ~~and unreliable datagram resolutions~~ are considered established when ~~the~~
~~passive side~~ said second process receives one of a message from at least one established
connection and a "ready to use" message.

17. (Currently amended) A system, comprising:
a bus system;
a communications unit connected to ~~[[the]]~~ said bus system;
a memory, including a set of instructions, connected to ~~[[the]]~~ said bus system;
and
a processing unit connected to ~~[[the]]~~ said bus system, wherein ~~[[the]]~~ said
processing unit includes at least one processor, wherein ~~[[the]]~~ said processing unit
executes ~~[[the]]~~ said set of instructions to send a communication management request, via
~~[[the]]~~ said communications unit, from a first process within ~~[[the]]~~ a plurality of
proccsses ~~via a communication establishment message~~ to an adapter associated with a

second process within ~~[[the]]~~ said plurality of processes, ~~retrieve the communication establishment request, under control of the adapter, via the communication establishment message from the host, and~~

responsive to ~~[[the]]~~ said second process within the plurality of processes allowing ~~[[the]]~~ said communication management request, initiates, under control of ~~[[the]]~~ said adapter, multiple communication connections and unreliable datagram resolutions.

18. (Currently amended) A system, comprising:

a bus system;

a communications unit connected to ~~[[the]]~~ said bus system;

a memory, including a set of instructions, connected to ~~[[the]]~~ said bus system;

and

a processing unit connected to ~~[[the]]~~ said bus system, wherein ~~[[the]]~~ said processing unit includes at least one processor, wherein ~~[[the]]~~ said processing unit executes ~~[[the]]~~ said set of instructions to ~~receive a communication management~~ send a connection establishment request, via ~~[[the]]~~ said communications unit, from a first process within ~~[[the]]~~ a plurality of processes ~~via a communication establishment request message to an adapter associated with a second process within~~ [[the]] said plurality of processes, ~~sends a reply communication establishment message, under control of the adapter, to the first process within the plurality of processes, and responsive to~~ [[the]] said second process within the plurality of processes ~~receiving the reply communication establishment message accepting said connection establishment request from~~ [[the]] said first process within the plurality of processes, establishes multiple communication connections and unreliable datagram resolutions between ~~[[the]]~~ said first process within the plurality of processes and ~~[[the]]~~ said second process within the plurality of processes.

19. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a communication connection, comprising:

sending means for sending a ~~multiple connections and unreliable datagram resolutions~~ communication management request, containing multiple requests for

~~connections or unreliable datagram resolutions, from a first process within [[the]] said plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes; retrieving means for retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host; and~~

initiating means, responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

20. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a plurality of communication connections, comprising:

~~receiving means for receiving a multiple connections and unreliable datagram resolutions communication management connection establishment request from a first process within [[the]] said plurality of processes via a communication establishment request message to an adapter associated with a second process within [[the]] said plurality of processes;~~

~~sending means for sending a multiple connections and unreliable datagram resolutions reply communication establishment message, under control of [[the]] said adapter, to [[the]] said first process within the plurality of processes; and~~

~~establishing means, responsive to [[the]] said second process within the plurality of processes receiving the reply said communication establishment message from [[the]] said first process within the plurality of processes, for establishing multiple communication connections and unreliable datagram resolutions between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.~~

21. (Currently amended) A computer program product in a computer-readable medium for performing a communication connection, comprising:

instructions for sending a ~~multiple connections and unreliable datagram resolutions~~ communication management request from a first process within ~~[[the]]~~ ~~a~~ communication management request from plurality of processes via a ~~communication establishment message~~ to an adapter associated with a second process within ~~[[the]]~~ said plurality of processes; instructions for ~~retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host; and~~

instructions, responsive to ~~[[the]]~~ said second process within the plurality of processes allowing ~~[[the]]~~ said communication management request, for initiating, under control of ~~[[the]]~~ said adapter, multiple communication connections and unreliable datagram resolutions.

22. (Currently amended) A computer program product in a computer-readable medium for performing ~~[[a]]~~ multiple communication connections, comprising:

instructions for ~~receiving a multiple connections and unreliable datagram resolutions communication management~~ sending a connection establishment request from a first process within ~~[[the]]~~ a plurality of processes via a ~~communication establishment request message~~ to an adapter associated with a second process within ~~[[the]]~~ said plurality of processes; instructions for ~~sending a multiple connections and unreliable datagram resolutions reply communication establishment message, under control of the adapter, to the first process within the plurality of processes; and~~

instructions, responsive to ~~[[the]]~~ said second process within the plurality of processes ~~receiving the reply communication~~ accepting said connection establishment message request from ~~[[the]]~~ said first process ~~within the plurality of processes, for establishing multiple communication connections and unreliable datagram resolutions between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.~~

23. (New) The method of claim 13, wherein said communications indicator contains communication attributes for a plurality of connections.

24. (New) The method of claim 13, wherein said communications indicator contains
a name of a connection group.

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